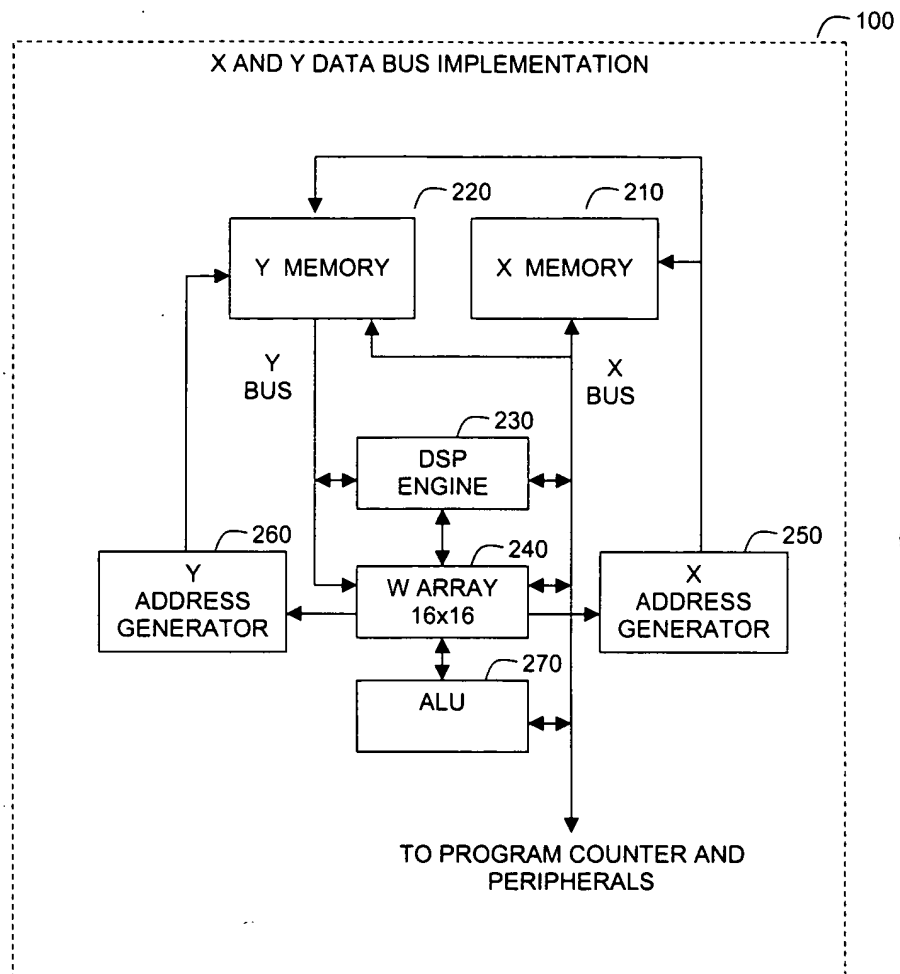


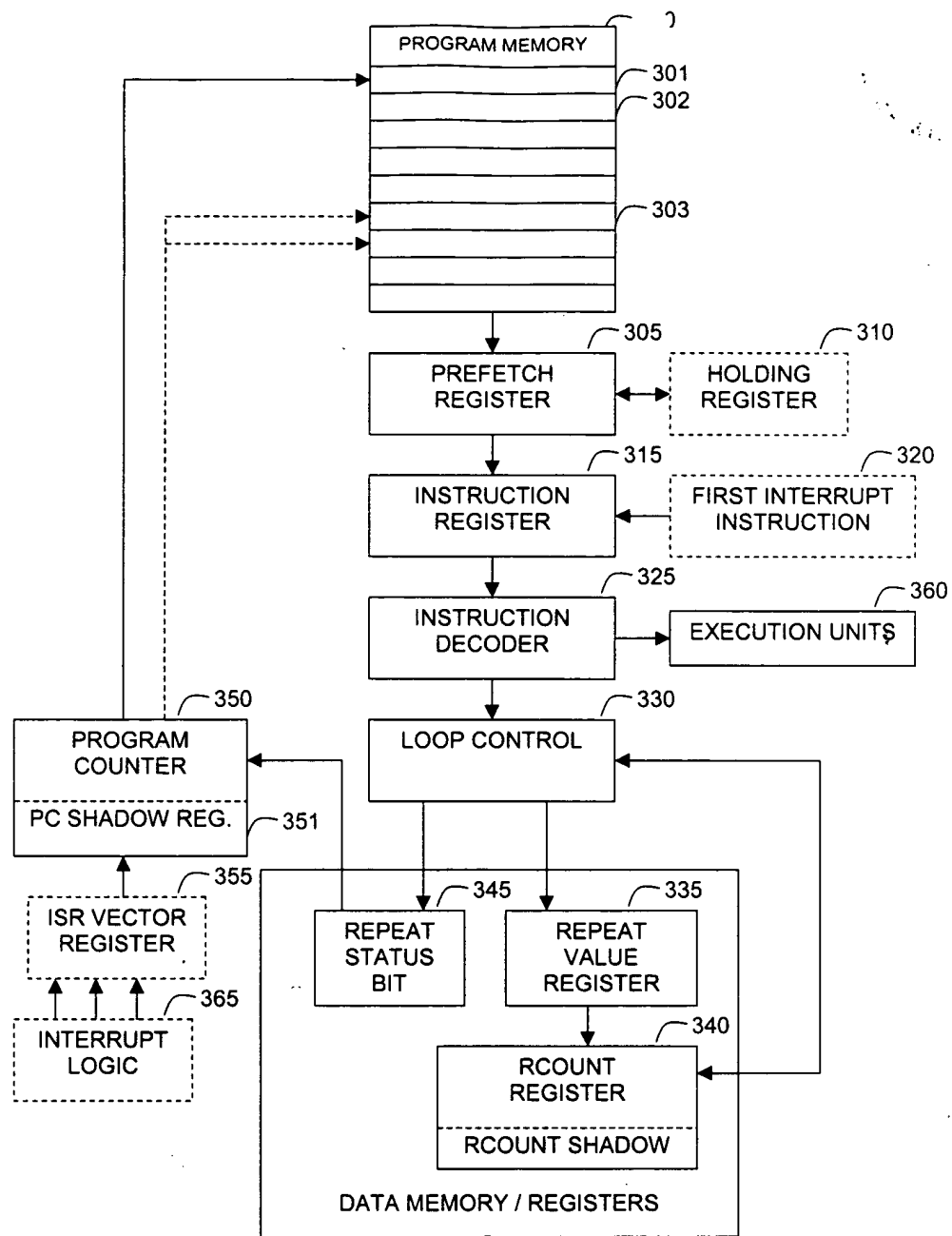
**FIG. 1**

FIG. 2



**FIG. 2**

FIG. 3



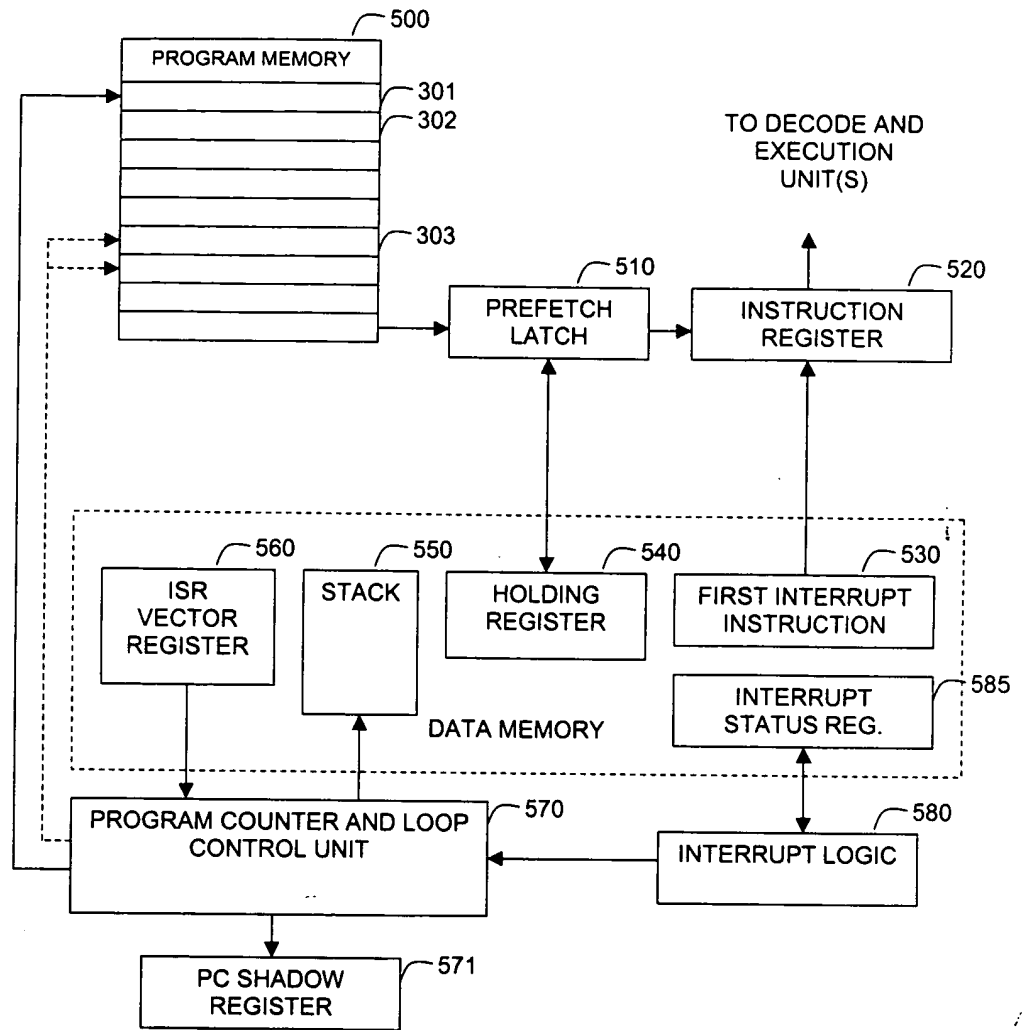
**FIG. 3**

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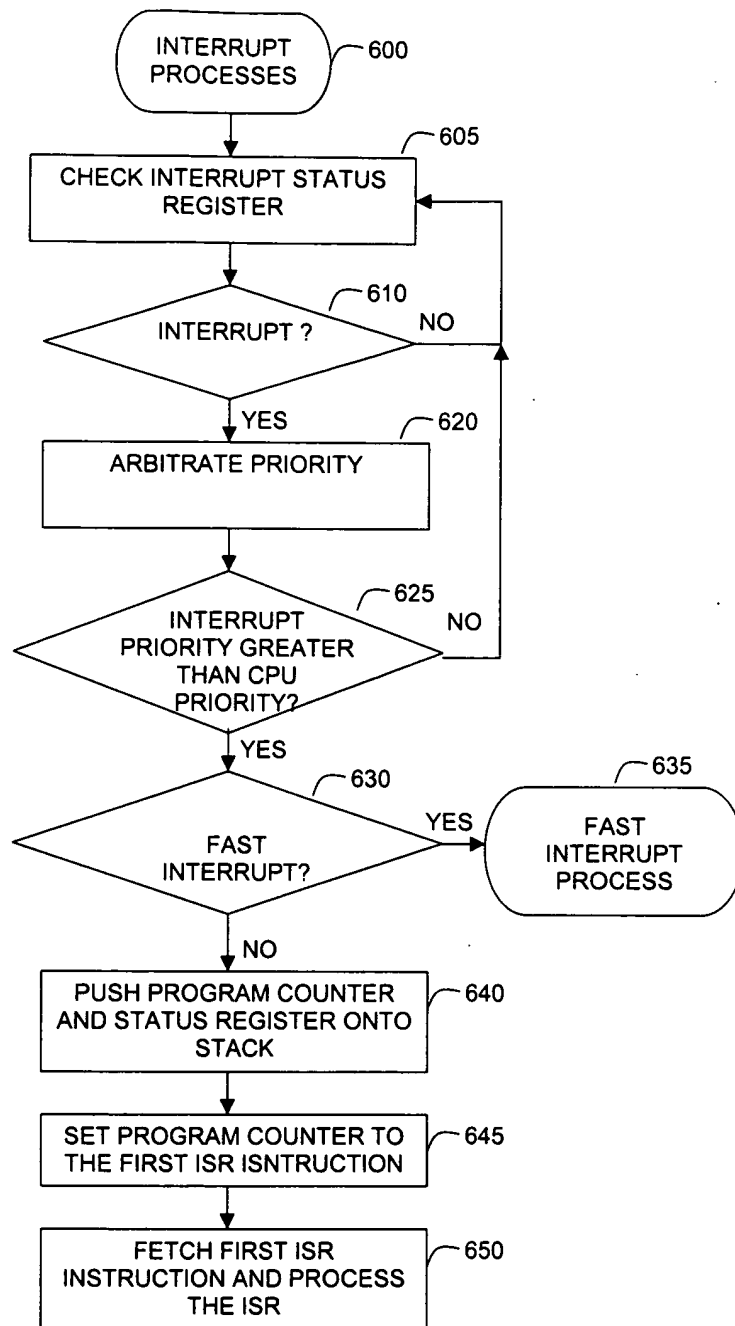
graph TD
    400[FETCH REPEAT INSTRUCTION] --> 405[FETCH INSTRUCTION TO BE REPEATED]
    405 --> 410[SET STATUS REGISTER TO REFLECT REPEAT PROCESS]
    410 --> 415[STORE LOOP COUNT VALUE IN REPEAT COUNT REGISTER]
    415 --> 420[SEND CONTROL SIGNAL TO PROGRAM COUNTER TO PREVENT PC INCREMENTS]
    420 --> 425[DECREMENT REPEAT COUNT REGISTER]
    425 --> 435{IS REPEAT COUNT < 0 ?}
    435 -- YES --> 430[INCREMENT PROGRAM COUNTER, RESET REPEAT STATUS REG., FETCH NEXT]
    435 -- NO --> 440{INTERRUPT ?}
    440 -- YES --> 445([INTERRUPT PROCESSES])
    445 -.-> 450[EXECUTE INSTRUCTION TO BE REPEATED]
    440 -- NO --> 450
    430 --> 455([EXIT REPEAT])
    450 --> 425

```

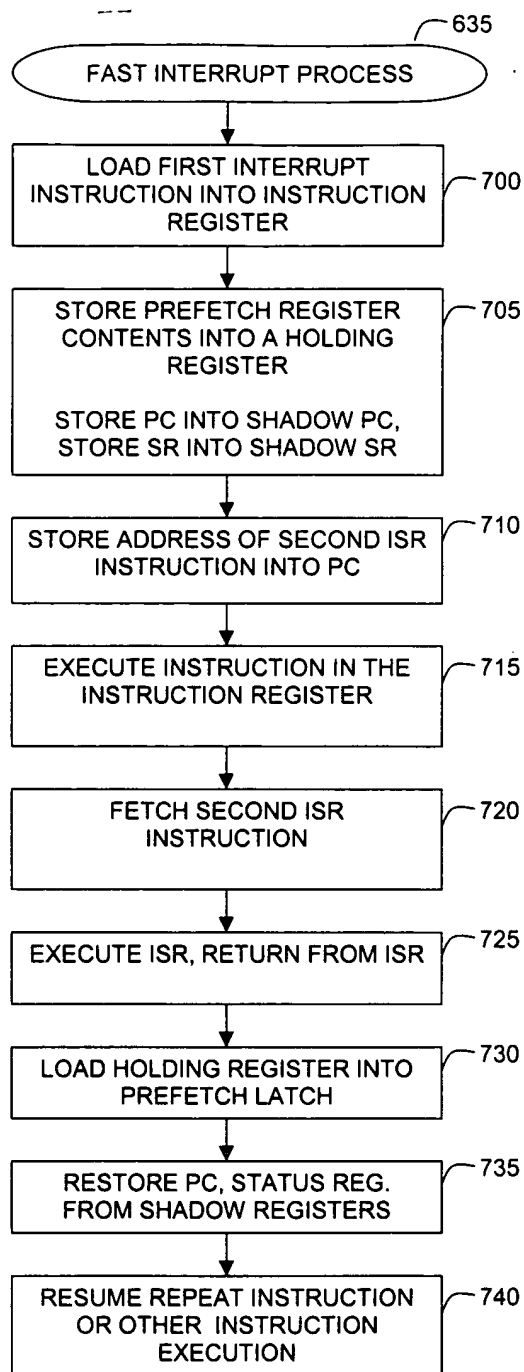
FIG. 5



**FIG. 5**



**FIG. 6A**

[illegible]

**FIG. 6B**